

1. $\int x \ln x dx$	11. $\int \cos x \ln(\sin x) dx$
2. $\int x \sec^2 x dx$	12. $\int \frac{\ln x}{x^2} dx$
3. $\int x \cos 5x dx$	13. $\int (x\sqrt{x+3}) dx$
4. $\int (\ln x)^2 dx$	14. $\int \sin^2 x dx$
5. $\int x e^{-x} dx$	15. $\int \frac{x}{e^x} dx$
6. $\int \sin^{-1} x dx$	16. $\int e^x \sin x dx$
7. $\int x \sin(3x) dx$	17. $\int x^2 \sin x dx$
8. $\int \ln(2x+1) dx$	18. $\int \ln x dx$
9. $\int \cos(\ln x) dx$	19. $\int x e^{5x} dx$
10. $\int x^3 e^x dx$	20. $\int x^2 e^{5x} dx$